

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: IRiS

Report Number: P1309251

Luminaire Tested: P3SQAS17R209035DE010 E3SQCD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309251
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-34)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3SQAS17R209035DE010 E3SQCD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 90CRI , E3SQCD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

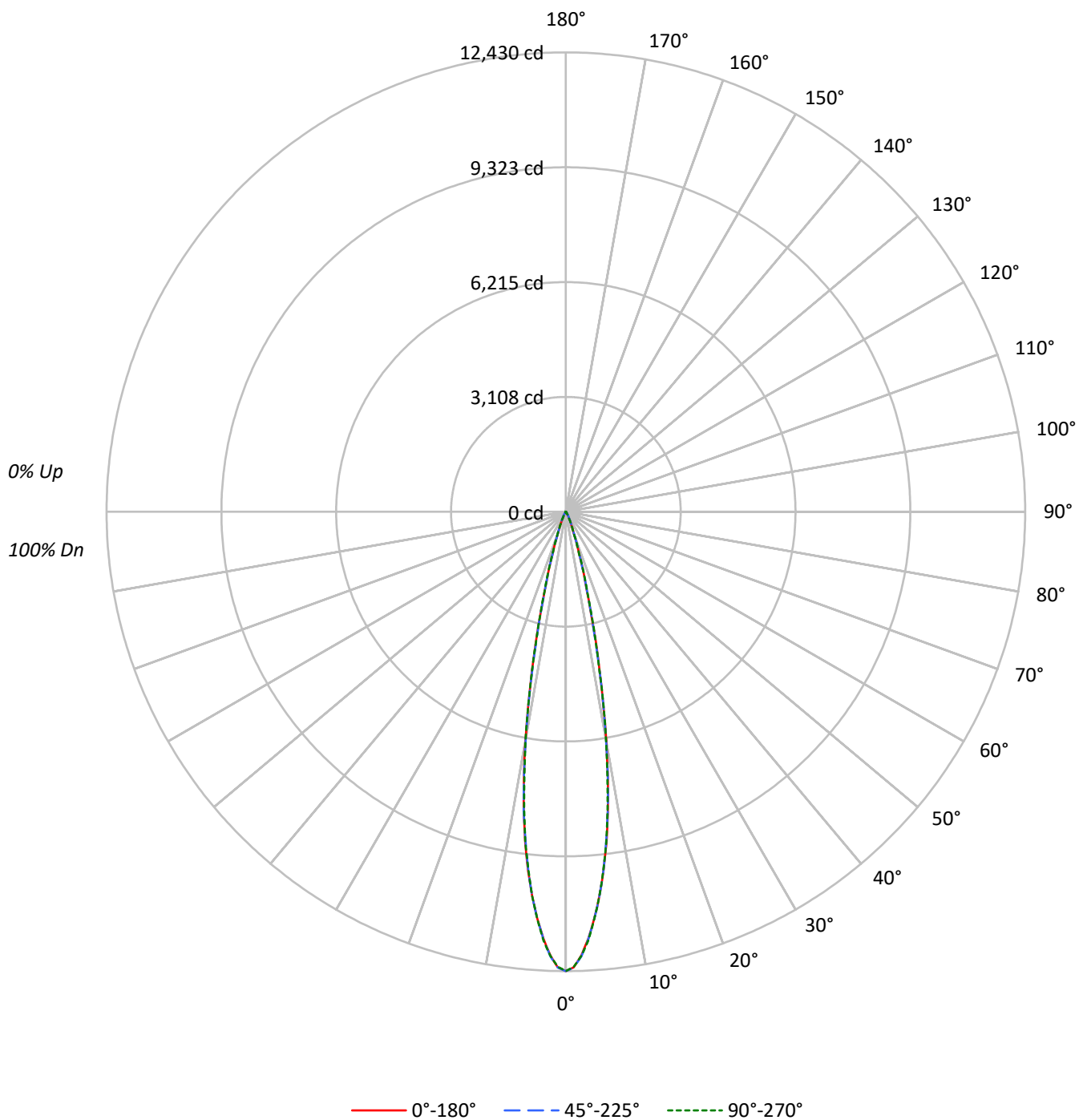
Lumens per Lamp: N/A
Luminaire Lumens: 1713.0 lumens
Efficiency: N/A
Efficacy: 80.8 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	116	114	112	110	113	111	110	109	108	106	105	104	103	102	101	100	99	98	97	98
2	112	109	106	104	110	107	105	103	104	102	101	102	100	99	99	98	97	96	95	95
3	109	105	102	100	108	104	101	99	102	99	97	99	97	96	97	96	94	93	92	93
4	107	102	98	96	105	101	98	95	99	96	94	97	95	93	96	94	92	91	90	91
5	104	99	95	93	103	98	95	92	97	94	92	95	93	91	94	92	90	89	88	89
6	102	96	93	90	101	96	92	90	94	92	89	93	91	89	92	90	88	87	86	87
7	100	94	90	88	99	94	90	88	92	90	87	91	89	87	91	88	87	86	85	86
8	97	92	88	86	97	91	88	86	91	88	86	90	87	85	89	87	85	84	83	84
9	96	90	87	84	95	90	86	84	89	86	84	88	86	84	88	85	83	82	81	83
10	94	88	85	83	93	88	85	82	87	84	82	87	84	82	86	84	82	81	80	81

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2140814	2140814	2140814
5°	1804388	1805080	1804164
10°	1099555	1094448	1097001
15°	387317	388957	401010
20°	121695	125104	122428
25°	45587	49863	46842
30°	17659	25037	18455
35°	6686	11143	7253
40°	3575	4766	3575
45°	1291	2265	1607
50°	723	1072	723
55°	811	811	811
60°	448	448	448
65°	530	530	530
70°	655	655	655
75°	0	0	865
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 2265 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	862.9	50.4
10°-20°	676.6	39.5
20°-30°	132.9	7.8
30°-40°	29.8	1.7
40°-50°	6.8	0.4
50°-60°	2.2	0.1
60°-70°	1.3	0.1
70°-80°	0.6	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1672.4	97.6
0°-40°	1702.2	99.4
0°-60°	1711.2	99.9
0°-90°	1713.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1713.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12430	12430	12430	12430	12430	
5°	10437	10446	10441	10477	10436	865
15°	2172	2182	2182	2229	2249	675
25°	240	256	262	258	246	126
35°	32	38	53	38	34	24
45°	5	8	9	8	7	5
55°	3	3	3	3	3	2
65°	1	1	1	1	1	1
75°	0	0	0	0	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	12430.5	12430.5	12430.5	12430.5	12430.5
1°	12329.8	12303.3	12333.8	12309.9	12315.2
2°	12010.4	11995.8	12035.6	12010.4	12023.6
3°	11566.4	11547.8	11577.0	11578.3	11615.4
4°	11036.3	11000.5	11044.2	11045.5	11052.2
5°	10437.2	10446.5	10441.2	10477.0	10435.9
6°	9763.9	9794.4	9754.6	9774.5	9717.5
7°	9011.1	8972.7	8952.8	8959.4	8999.2
8°	8180.1	8153.6	8182.8	8141.7	8113.8
9°	7256.3	7209.9	7241.8	7202.0	7162.2
10°	6287.5	6266.3	6258.3	6213.3	6272.9
11°	5316.0	5252.4	5284.2	5261.7	5326.6
12°	4406.8	4412.1	4349.8	4369.7	4377.7
13°	3586.4	3501.6	3512.2	3566.5	3575.8
14°	2781.9	2793.9	2797.8	2836.3	2858.8
15°	2172.3	2181.5	2181.5	2229.3	2249.1
17.5°	1165.0	1165.0	1190.2	1195.5	1198.1
20°	664.0	668.0	682.6	681.2	668.0
22.5°	397.6	405.6	413.5	405.6	397.6
25°	239.9	255.8	262.4	258.4	246.5
27.5°	143.1	160.4	178.9	164.3	141.8
30°	88.8	98.1	125.9	100.7	92.8
32.5°	49.0	63.6	86.1	66.3	50.4
35°	31.8	38.4	53.0	38.4	34.5
37.5°	22.5	26.5	33.1	27.8	23.9
40°	15.9	18.6	21.2	19.9	15.9
42.5°	10.6	13.3	14.6	13.3	10.6
45°	5.3	8.0	9.3	8.0	6.6
47.5°	2.7	4.0	6.6	4.0	2.7
50°	2.7	2.7	4.0	2.7	2.7
52.5°	2.7	2.7	2.7	2.7	2.7
55°	2.7	2.7	2.7	2.7	2.7
57.5°	2.7	2.7	1.3	2.7	1.3
60°	1.3	1.3	1.3	1.3	1.3
62.5°	1.3	1.3	1.3	1.3	1.3
65°	1.3	1.3	1.3	1.3	1.3
67.5°	1.3	1.3	1.3	1.3	1.3
70°	1.3	1.3	1.3	1.3	1.3
72.5°	1.3	1.3	1.3	1.3	1.3
75°	0.0	0.0	0.0	0.0	1.3
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)